

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF October 2021

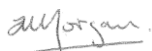
Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

Day	Limit	Flow (m ³ /day)	Temperature (°C)	pH	BOD (mg/l)	Suspended Solids (mg/l)	Ammoniacal Nitrogen (mg/l)	Total Oil (mg/l)
		10,000	30	max 9.0 min 6.0	50	70	5	30
1		22	8	7.2				
2		10	16	7.0				
3		6	16	6.7				
4		19	15	6.9		18	<0.1	<1
5		6	10	7.1	18			
6		7	13	7.1				
7		15	15	7.4	7	9		
8		87	13	7.2				
9		222	16	7.0				
10		669	14	7.1				
11		568	8	7.4		5	<0.1	<1
12		881	8	7.3	13			
13		616	10	7.3				
14		631	9	7.4	7	6		
15		269	8	7.4				
16		537	15	7.2				
17		445	16	7.2				
18		347	10	7.4		6	<0.1	<1
19		495	10	7.4	13			
20		289	10	7.4				
21		3	10	7.4	3	8		
22		129	10	7.2				
23		539	13	7.2				
24		424	13	7.1				
25		533	10	7.3		8	<0.1	<1
26		400	10	7.1	14			
27		425	11	7.2				
28		430	11	7.2	9	6		
29		431	10	7.2				
30		0	-	-				
31		0	-	-				
Maximum		881	16	7.4	18	18	0.1	1
Minimum		0	8	6.7	3	5	0.1	1
Flow- Weighted Average		-	12	7.2	11	6	0.1	1

Signed on behalf of the Operator



Date 29 November 2021

Name

H Morgan

Form S3/W1

Dated 23/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF October 2021
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	COD (mg/l)	Sulphide (mg/l)	Total Phenols (mg/l)	Cyanide (mg/l)
Limit	50	1	7.5	0.25
Day				
1				
2				
3				
4	35.0	<0.1	<0.1	<0.01
5				
6				
7				
8				
9				
10				
11	11	<0.1	<0.1	<0.01
12				
13				
14				
15				
16				
17				
18	26	<0.1	<0.1	<0.01
19				
20				
21				
22				
23				
24				
25	38	<0.1	<0.1	<0.01
26				
27				
28				
29				
30				
31				
Maximum	38	0.1	0.1	0.01
Minimum	11	0.1	0.1	0.01
Flow- Weighted Average		0.1	0.1	0.01

Signed on behalf of the Operator by
 Signature

H. Morgan



Date 29 November 2021

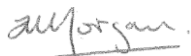
Form S3/W2

Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF October 2021
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	Cadmium		Mercury		Lead	Copper	Iron	Nickel	Zinc	Chromium
	(ug/l)	(g/day)	(ug/l)	(g/day)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Limit	14	0.46	2	0.06	120	50	1400	150	150	50
Date		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.001	<0.1	0.002	<1.0	14	103	0.5	5	2.9
Week 2	<0.05	0.028	<0.1	0.057	<1.0	<3	214	1.0	<4	3.3
Week 3	<0.05	0.017	<0.1	0.035	<1.0	<3	848	2.5	<4	4.0
Week 4	<0.05	0.027	<0.1	0.053	<1.0	<3	1290	3.7	5	3.2
Week 5										
Maximum	0.05	0.028	0.1	0.057	1.0	14	1290	3.7	5	4.0
Minimum	0.05	0.001	0.1	0.002	1.0	3	103	0.5	4	2.9
Total		0.0006		0.001						
Flow-Weighted Average	0.05	-	0.1	-	1.0	3	753	2	4	3

Signed on behalf of the Operator



Form S3/W3

Name

H Morgan

Date 29-Nov-21

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF October 2021

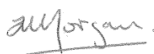
Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC Release Point: D

	Flow (m ³ /day)	Suspended Solids (mg/l)	BOD (mg/l)	Ammoniacal Nitrogen (mg/l)	Temperature (°C)	pH	Oil (mg/l)
Limit	3500	35	50	0.4	27	max 8.5 min 6.0	5
Day							
1	865						
2	1,097						
3	1,510						
4	1,324						
5	1,397	1	5	<0.1	13	6.8	<1
6	1,344						
7	1,174	2			15	6.7	
8	989						
9	1,099						
10	993						
11	823						
12	774	1	2	<0.1	13	7.0	<1
13	755						
14	720	1			16	7.1	
15	702						
16	746						
17	625						
18	275						
19	596	1	7	<0.1	16	7.1	<1
20	709						
21	665	1			13	7.1	
22	607						
23	619						
24	588						
25	596						
26	610	1	3	<0.1	15	7.2	<1
27	596						
28	585	<1			16	7.2	
29	795						
30	1,250						
31	1394						
Maximum	1,510	2	7	0.1	16	7.2	1
Minimum	275	1	2	0.1	13	6.7	1
Flow- Weighted Average	-	1	4	0.1		7.0	1

Signed on behalf of the Operator by



Date

29-Nov-21

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

October 2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC

Release Point: D

	Cadmium		Mercury	
	(ug/l)	(g/day)	(ug/l)	(g/day)
Limit	14	0.46 (kg/mth)		0.06 (kg/mth)
Date				
Week 1	<0.05	0.0100	<0.1	0.140
Week 2	<0.05	0.0387	<0.1	0.077
Week 3	<0.05	0.0298	<0.1	0.060
Week 4	<0.05	0.0305	<0.1	0.061
Maximum	0.05	0.0387	0.1	0.140
Minimum	0.05	0.0100	0.1	0.060
Total		0.0008		0.003
Flow-Weighted Average	-	0.05	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date

29-Nov-21

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF October 2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC Release Point: D

Day	Limit	Lead (ug/l) 50	Copper (ug/l) 40	Iron (ug/l) 1400	Nickel (ug/l) 10	Zinc (ug/l) 40
1						
2						
3						
4						
5		<1.0	5	17	<0.5	<4
6						
7						
8						
9						
10						
11						
12		<1.0	<3	26	<0.5	<4
13						
14						
15						
16						
17						
18						
19		<1.0	<3	47	0.6	<4
20						
21						
22						
23						
24						
25						
26		<1.0	<3	53	0.6	<4
27						
28						
29						
30						
31						
Maximum		1.0	5	53	0.6	4
Minimum		1.0	3	17	0.5	4
Total (kg/mth)		0.03	0.10	0.81	0.014	0.10
Flow-Weighted Average		1	4	31	0.5	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 29-Nov-21



Dated 17/05/2010